Electronic Supplementary Information

Shape-controlled synthesis and facet-dependent performance of single-crystal Bi$_{25}$GaO$_{39}$ photocatalyst

Jin Liu,†a Wei Lu,†b Boshi Tian,a Bin Hu,a Lin Jin,a Yurong Shi,a Lili Li,a and Zhenling Wang*a,*

aThe Key Laboratory of Rare Earth Functional Materials and Applications, Zhoukou Normal University, Zhoukou 466001, P. R. China

bDepartment of Applied Physics and Materials Research Center, The Hong Kong Polytechnic University, Hong Kong, P. R. China

*Corresponding author. Fax: +86-394-8178518; Tel: +86-394-8178518.

E-mail addresses: zlwang2007@hotmail.com (Z.L. Wang)
Fig. S1 UV-vis absorption spectra of AR1 solution during the photocatalytic process over Bi$_{25}$GaO$_{39}$ tetrahedrons.
Fig. S2 UV-vis absorption spectra of 4-NP solution during the photocatalytic process over Bi$_{25}$GaO$_{39}$ tetrahedrons.
Fig. S3 Recycling runs of Bi$_{25}$GaO$_{39}$ tetrahedrons for the photocatalytic degradation of AR1 solution.